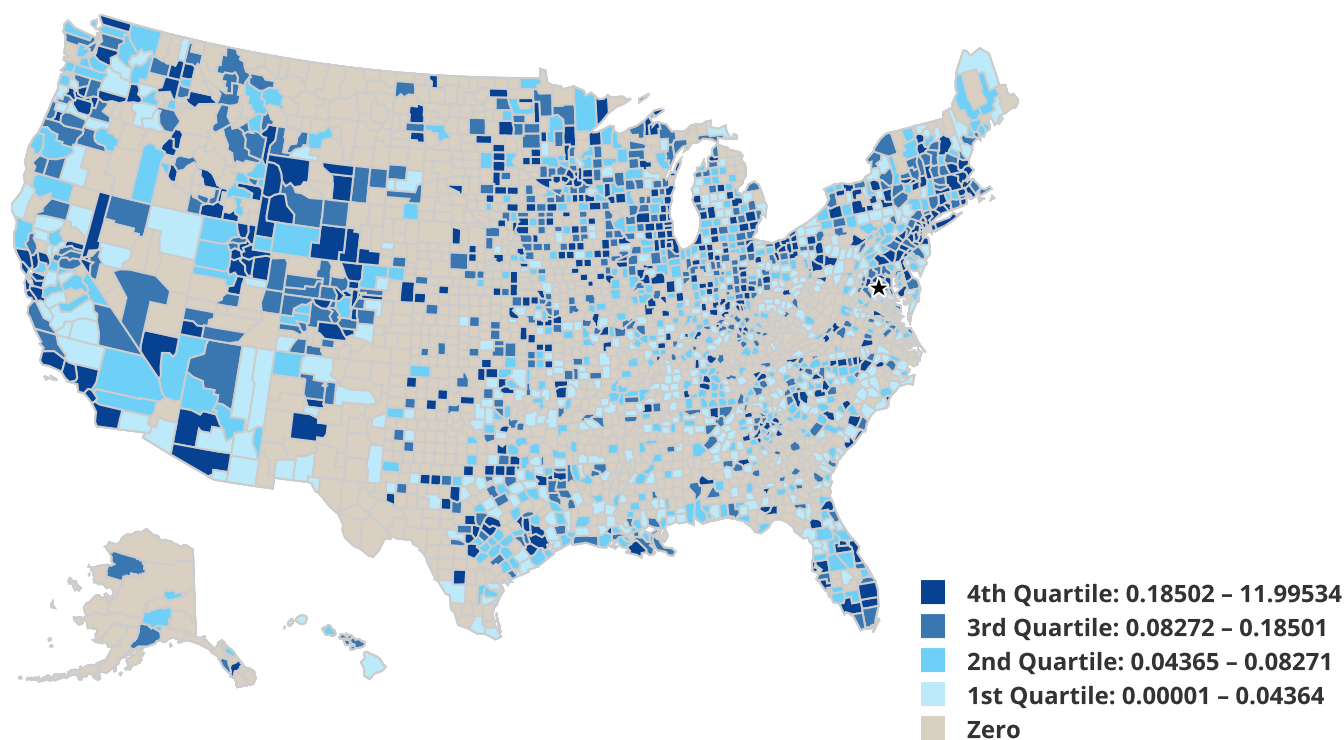


Figure INV-4

USPTO utility patents granted to U.S. owners per 1,000 residents, by U.S. county: 2020



USPTO = U.S. Patent and Trademark Office.

**Note(s):**

USPTO patents are allocated according to ownership information. U.S. addresses were geocoded to 3,143 U.S. counties according to U.S. states, U.S. cities, and zip codes appearing in these addresses. Because of the absence of zip codes for most U.S. addresses in the patent data, co-assignment to multiple U.S. counties occurred for addresses accounting for about 14% of all U.S. patent counts, mostly in populous cities encompassing multiple counties. This may lead to some underestimation or overestimation of patent output for some counties within these cities. Further manual disambiguation was performed based on information available to assign some of the ambiguous addresses to a single county. When more than one county remained for an address on a patent, the fraction of the patent associated to this address was split equally across all of the counties. Patents are classified under the World Intellectual Property Organization (WIPO) classification of patents, which classifies International Patent Classification (IPC) codes under 35 technical fields. IPC reformed codes take into account changes that were made to the WIPO classification in 2006 under the eighth version of the classification and were used to prepare these data. However, because PatentsView only provides the original IPC codes as they appeared on patents and not the IPC reformed codes, current Cooperative Patent Classification codes on patents were converted back to the most recent IPC classification to prepare these statistics. Fractional counts of patents were assigned to each technological field on patents to assign the proper weight of a patent to the corresponding technological fields under the classification. See File Supplemental Workbook INV-2 for additional detail.

**Source(s):**

National Center for Science and Engineering Statistics; Science-Metrix; PatentsView, USPTO, accessed June 2021; Population data from the U.S. Census Bureau accessed June 2021 at <https://www.census.gov/newsroom/press-releases/2021/2020-vintage-population-estimates.html>.

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